

STEREO MOC Status Report
Time Period: 2011:108 - 2011:114

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 111, during the DSS 14 support, initial telemetry lock at BOT was delayed three minutes due to configuration error. After the correct symbol rate was entered, telemetry lock occurred at 1233z. All SSR data was recovered. See DR# G111381 for more information.
- On day 111, during the DSS 45 support, station monitor data was lost at 1820z due to a Special Function Gateway swap to the redundant unit. After the monitor data server was rebooted, monitor data was received at 1955z. All SSR data was recovered. See DR# C108048 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 108, the playback of SECCHI SSR2, special event partition #20, was enabled at 1235z. To optimize downlink bandwidth, after playing back the recorded data, the playback was disabled at 110-2125z.
- On day 110, IMPACT loaded new tables to the SIT instrument.
- On day 110, the 37th momentum dump was successfully executed at 2100Z, which imparted a delta V of 0.0839 m/sec.
- The average daily SSR playback volume for Ahead was 5.7 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 108, during the DSS 65 support, turbo decoder lock was lost intermittently beginning at 1623z through 1812z.

This resulted in the loss of 19 frames of instrument SSR data. See DR# N107284 for more information.

- On day 109, CCSDS SLE telemetry testing was conducted with the DSN test facility, DTF-21, using the backup command workstation.
- On day 110, during the DSS 65 support, telemetry lock was lost at 1945z due to heavy rain at Madrid. The SSR playback was stopped and SSR pointers were repositioned. This anomaly resulted in the loss of several minutes of instrument SSR data. See DR# M106290 for more information.
- On day 111, during the DSS 65 support, telemetry lock was intermittently lost beginning at 1600z through 2125z due to heavy rain at Madrid. The SSR playback was stopped and SSR pointers were repositioned. This anomaly resulted in the loss of several minutes of instrument SSR data. See DR# M106294 for more information.
- On day 111, during the DSS 65 support, station monitor data was lost at 1820z due to a Special Function Gateway swap to the redundant unit. After the monitor data server was rebooted, monitor data was received at 1955z.

2. The following spacecraft/instrument events occurred during this week:

- On day 108, the playback of SECCHI SSR2, special event partition #20, was enabled at 1605z. To optimize downlink bandwidth, after playing back the recorded data, the playback was disabled at 111-1500z.
- On day 110, the 31st momentum dump was successfully executed at 1800z, which imparted a delta V of 0.0697 m/sec.
- On day 110, after the momentum dump had completed, the IMPACT STE-D door opened, but the instrument's telemetry did not indicate open. The next day at 1519z, the door was commanded open and the proper telemetry indications were received.
- The average daily SSR playback volume for Behind was 5.6 Gbits during this week.